Case Study 2021

**PROBLEM:**
Multi-Use, Multi-Leased Industrial Park Exceeding Benchmark of both Zinc & Copper being taken over by the Industrial Park and combining all the individual industrial permits. Industries adding to the levels included a metal recycler shredding facility, multiple steel fabricators, a steel retail storage location and a public truck/vehicle roadway. Site is located in the NW near a major river.

**SOLUTION:**
After evaluating proposals from three companies to treat the combined stormwater, the choice was to utilize BiocharPEAT™ in a 350 GPM pump station with a 12’ x 22’ x 8’ tall Pure Rain™ CUSTOM TANK. The Pure Rain™ CUSTOM TANK includes 25 cubic yards of BiocharPEAT™ treatment.


**FLOW DESIGN:**
An existing catch basin had a weir added to it with a pipe on the influent side put into it to gravity feed the water to a new vault. In the vault, two 350 GPM pumps were installed to pump the water to the Pure Rain™ CUSTOM TANK. The stormwater then gravity flows through the Pure Rain™ CUSTOM TANK and back to the discharge side of the catch basin with the weir and leaves the site to the river.
"We wanted to share some good news following sampling this month! (Q1 2021) The analytical results were under all the benchmarks for the first time and non-detect for copper!"